

List of Plants

C TANNINS

Chemid

TANNINS

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Plant Part	Low PPM	High PPM	StdDev	*Reference
Acacia farnesiana	Fruit	110000.0	322000.0	2.56	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Aframomum melegueta	Plant	--	--		*
Aloe vera	Plant	--	--		*
Ammi visnaga	Plant	--	--		*
Anethum graveolens	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Angelica archangelica	Root	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Artemisia dracunculus	Leaf	--	--		*
Artemisia dracunculus	Shoot	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Bixa orellana	Fruit	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Camellia sinensis	Leaf	33800.0	270000.0	2.25	*
Carica papaya	Leaf	5000.0	6000.0	-1.14	*
Castanea dentata	Leaf	80000.0	90000.0	-0.06	*
Catalpa longissima	Leaf	--	--		Tramil
Cephaelis ipecacuanha	Plant	--	--		*
Chamissoa altissima	Leaf	--	--		Tramil
Chiococca alba	Root	--	--		*
Cinchona spp	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Cinnamomum verum	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Cnicus benedictus	Plant	--	80000.0	-0.74	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Flower	--	--		*
Crataegus rhipidophylla	Flower	--	--		*
Crataegus monogyna	Flower	--	--		*
Dryopteris filix-mas	Rhizome	--	78000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ephedra gerardiana	Plant	--	--		*
Eucalyptus globulus	Leaf	--	110000.0	0.2	*
Euphrasia officinalis	Plant	--	124000.0	0.02	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Filipendula ulmaria	Plant	10000.0	125000.0	0.03	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

<i>purshiana</i>					Sons, New York. 649 pp.
<i>Galega officinalis</i>	Flower	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Galeopsis segetum</i>	Shoot	--	50000.0	1.0	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Geranium maculatum</i>	Root	100000.0	280000.0	1.52	*
<i>Gnaphalium viscosum</i>	Shoot	--	--		Tramil
<i>Grindelia squarrosa</i>	Plant	--	--		*
<i>Guatteria discolor</i>	Bark	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
<i>Hamamelis virginiana</i>	Leaf	10000.0	70000.0	-0.31	*
<i>Heliotropium indicus</i>	Plant	--	--		*
<i>Hemidesmus indicus</i>	Leaf	--	25000.0	-0.89	*
<i>Humulus lupulus</i>	Fruit	20000.0	40000.0	-0.45	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hypericum perforatum</i>	Shoot	--	3300.0	-1.0	*
<i>Hypericum perforatum</i>	Plant	30000.0	160000.0	0.63	*
<i>Hypericum perforatum</i>	Leaf	--	124000.0	0.38	*
<i>Hypericum perforatum</i>	Stem	--	38000.0		*
<i>Hypericum perforatum</i>	Flower	--	162000.0	-1.41	*
<i>Hypericum perforatum</i>	Seed	--	121000.0	1.41	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
<i>Inonotus obliquus</i>	Plant	--	--		Hobbs, C. 1996. 3rd Ed. (1st Ed. 1986). Medicinal Mushrooms. Botanical Press, Santa Cruz. 251 pp. (With a useful tabular summary of 'all medicinal mushrooms species').
<i>Juniperus sabina</i>	Plant	--	--		*
<i>Krameria spp</i>	Root	--	--		*
<i>Lawsonia inermis</i>	Leaf	50000.0	100000.0	0.07	List, P.H. and Horhammer, L. Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Limonia acidissima</i>	Seed	800.0	833.0	-1.07	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Limonia acidissima</i>	Fruit	103000.0	39615.0	-0.46	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Mentha x piperita</i>	Plant	60000.0	120000.0	-0.05	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Mentha spicata</i>	Leaf	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Myrica cerifera</i>	Bark	--	39000.0	-1.0	*
<i>Nepeta cataria</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Nicotiana tabacum</i>	Leaf	30000.0	60000.0	-0.44	List, P.H. and Horhammer, L. Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Olea europaea</i>	Leaf	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Origanum vulgare</i>	Plant	--	80000.0	-0.74	List, P.H. and Horhammer, L. Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pavonia spinifex</i>	Plant	--	--		Tramil
<i>Petiveria alliacea</i>	Leaf	--	--		Tramil
<i>Peumus boldus</i>	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Phoenix dactylifera</i>	Plant	7500.0	44800.0	-1.34	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Physalis peruviana</i>	Root	125000.0	160000.0	-0.22	*
<i>Physalis alkekengi</i>	Root	--	110000.0	-0.95	*
<i>Plantago ovata</i>	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care

<i>Pluchea carolinensis</i>	Leaf	--	--		Tramil
<i>Prosopis juliflora</i>	Fruit	--	58100.0	-0.26	*
<i>Psidium guajava</i>	Seed	--	14000.0	-0.8	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Rheum palmatum</i>	Root	50000.0	100000.0	-1.09	Abstract (See species file)
<i>Rhus toxicodendron</i>	Plant	--	250000.0	2.17	*
<i>Ribes nigrum</i>	Leaf	--	85000.0	-0.12	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Robinia pseudoacacia</i>	Wood	33000.0	70000.0		*
<i>Rosa canina</i>	Leaf	100000.0	260000.0	2.13	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosa gallica</i>	Flower	100000.0	240000.0	0.71	*
<i>Rosa centifolia</i>	Flower	100000.0	240000.0	0.71	*
<i>Rumex acetosa</i>	Root	27800.0	226600.0	0.74	*
<i>Rumex acetosa</i>	Fruit	--	50000.0	-0.35	*
<i>Salvia officinalis</i>	Leaf	785.0	10000.0	-1.09	*
<i>Sorbus aucubaria</i>	Bark	--	44700.0	1.0	*
<i>Sorbus aucubaria</i>	Fruit	4000.0	6000.0	-0.82	*
<i>Stevia rebaudiana</i>	Leaf	--	78000.0	-0.21	*
<i>Syzygium aromaticum</i>	Fruit	--	100000.0	0.19	*
<i>Tagetes lucida</i>	Plant	--	--		Tramil
<i>Tanacetum vulgare</i>	Plant	--	--		*
<i>Tanacetum parthenium</i>	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
<i>Terminalia chebula</i>	Fruit	20000.0	45000.0	-0.4	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Theobroma cacao</i>	Seed	--	75400.0	0.47	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Thespesia populnea</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Turnera diffusa</i>	Leaf	--	35000.0	-0.76	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Uncaria catechu</i>	Branches	--	--		*
<i>Valeriana officinalis</i>	Root	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Zanthoxylum clava-herculis</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Zanthoxylum americanum</i>	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.